

3/19/2018

Print



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Ag D:
PO039300	ACI001-VC	12	1	Net 30	M1018B2.000X02.500	1010-1025 Steel Bar 2.000 X 2.500 : MATERIAL: AISI 1010- 1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft				12	3/19/2018	13		S052586	Stock	3/19/2018	\$ 26.68 / ft	
		13			MT-4140-R0.500	4140 Steel Round Bar 0.500" : AISI 4140 ROUND BAR AS PER ASTM A29/AMS 6349/AMS 6382/AMS 6529 MIN: ROCKWELL C = 20 RC MAX: ROCKWELL C = 38 RC receive ft				20		24		S052587	Stock	3/19/2018	\$ 2.40 / ft	
Total:										32		37						

Plex 3/19/2018 10:26 AM Dart Dubois Pascal



DELIVERY - CLIENT

Copy CO00078652

ACIER OUELLETTE INC.
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl.: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl.: 514-336-4246 Ext.: 866-456-4242

Billed to
DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to
, Ontario,
Att : CHANTAL LAVOIE Tél.: 613-632-5200
Delivery Route 5

Customer N° CL10001056
Date 2018/03/14
Delivery date 2018/03/16
Your order N° 039300
Processed by Josianne Bourdon
Salesman
Carrier OUELLETTE VALLEYFIELD
Credit Terme Net 30 Days
Page 1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 FLAT CR 2 X 2 1/2 1018 (R) FCR-2212 2813 1 X 12' R/L HEAT: 170852 TRANSFERT ST-JEROME LE 15/03	204.00	12.00	PL \$CLB		14 13 1/2"		13'				DAS 71 8-89

Conditions :

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Total Weight (lbs) : 204.00 **NIR :** R-109516-6

Prepared By :	Verified By :	Delivered By :	Time
	MM		

Customer's Signature Date

18/03/16

Total (\$CAD)



1

1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 ROUND 4140 HEAT TREAT 1/2 (R) R4140-12H 4907 2 X 12' R/L HEAT: 190696 transit st-jerome to 15/03	16.03	24.00	PL \$CLB		2x 12'3"		241			MAR 19 2018	DAS 11 9-89

[illegible]

CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 03

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

DATE _____

Certification Date
8-NOV-2017

PART NUMBER/NUMÉRO DE PIÈCE

AC00011026

VÉRIFIÉ PAR _____

Invoice Number
S699724

506031

SOLD TO: ACIER OUELLETTE INC
VENDU À:22 BOULEVARD J-F KENNEDY
ST JEROME QC J7Y 4B6SHIP TO:
EXPÉDIÉ À:

ACIER OUELLETTE INC.

22 BOULEVARD J F KENNEDY
SAINT JEROME QC J7Y 4Description: 4142 CF HEAT TREATED S/R OR STRESS FREE BAR
1/2 RD X 120 R/L Line Total: 138 LB
HEAT: 190696 ITEM: 506031

Specifications:

ASTM A434 CL BC 12

ASTM A29/A29M 15

ASTM A331 00

MIC 2016 1 12

ASTM A255 10

ASTM E10 15

ASTM E709 14

ASTM A193 GR B7 15

ASTM A304 11

ASTM A962/A962M 14

MIC 2016 ADD 1 12

ASTM E45 METHOD A 13

ASTM E112 13

ASTM A108 13

ASTM A322 13

EN 10204 3.1 04

SUPP 1

ASTM A370 14

ASTM E381 06

CHEMICAL ANALYSIS

C	MN	SI	P	S	CR	NI	MO
0.42	0.97	0.26	0.011	0.022	1.04	0.20	0.23

CU	AL	CA
0.17	0.026	0.0008

RCPT: R315238

COUNTRY OF ORIGIN : SPAIN

MECHANICAL PROPERTIES

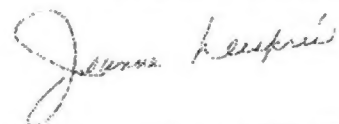
DESCRIPTION	YLD STR KSI	ULT TEN KSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS BHN
	130.0	145.0	17.6	58.8	307

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES

MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

CERTIFICATE OF TEST

CERTIFICAT D'ESSAIS

Page 02 of 03

Certification Date
8-NOV-2017

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

AC00011026

Invoice Number
S699724

PART NUMBER/NUMÉRO DE PIÈCE

506031

SOLD TO: ACIER OUELLETTE INC
VENDU À:

SHIP TO:
EXPÉDIÉ À:

ACIER OUELLETTE INC.

22 BOULEVARD J-F KENNEDY
ST JEROME QC J7Y 4B6

22 BOULEVARD J F KENNEDY
SAINT JEROME QC J7Y 4

Description: 4142 CF HEAT TREATED S/R OR STRESS FREE BAR
1/2 RD X 12' R/L Line Total: 138 LB

HEAT: 190696 ITEM: 506031

END-QUENCH HARDENABILITY (JOMINY - RC)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
59	59	59	58	58	57	57	57	56	56	55	55	54	53	53
16	18	20	22	24	26	28	30	32						
52	51	50	47	46	44	43	42	41						

GRAIN SIZE :8 -

CLEANLINESS

	A		B		C		D	
	THIN	THICK	THIN	THICK	THIN	THICK	THIN	THICK
	MAX	MAX	MAX	MAX	MAX	MAX	MAX	MAX
e45	1.5	0.0	1.0	0.0	0.0	0.0	0.5	0.0

STRAND CAST VACUUM DEGASSED
MATERIAL IS FREE FROM MERCURY CONTAMINATION
NO WELD REPAIR PERFORMED ON MATERIAL
THERMAL TREATMENT: OK
QUENCHING 1562 DEG F TIME 45 MINUTES COOLING OIL
TEMP MEDIA AT THE START 95 DEG F; TEMP MEDIA AT THE FINISH
122 DEG F. TEMPERING 1202 DEG F TIME 150 MINUTES COOLING
AIR. STRESS RELIEVED 1102 DEG F TIME 120 MINUTES
MACRO: OK
MICRO1: OK

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Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 03 of 03

Certification Date
8-NOV-2017

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

Invoice Number
S699724

AC00011026
PART NUMBER/NUMÉRO DE PIÈCE
506031

SOLD TO: ACIER OUELLETTE INC
VENDU À: 22 BOULEVARD J-F KENNEDY
ST JEROME QC J7Y 4B6

SHIP TO:
EXPÉDIÉ À:

ACIER OUELLETTE INC.
22 BOULEVARD J F KENNEDY
SAINT JEROME QC J7Y 4

Description: 4142 CF HEAT TREATED S/R OR STRESS FREE BAR
1/2 RD X 12' R/L Line Total: 138 LB
HEAT: 190696 ITEM: 506031

COMMENTS
red. ratio : 167,8
nondestructive tests = good
free from radioactive contamination

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

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Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

Customer Name

ACIER OUELLETTE INC

Customer PO#

AC12975

Pol. Ind Basarte S/N
20720 Azkoitia (Gipuzkoa)
Spain

www.nuevaincal.com

CIF/VAT: ESA48415350

Invoice No

95632

Admin. y Finanzas / Accounts

Tel.: (+34) 943 857 311

(+34) 946 251 712

Fax: (+34) 943 857 312

nuevaincal@nuevaincal.com

Shipper No

89577

Heat Number

170852

Comercial

Tel.: (+34) 946 251 712

Fax: (+34) 946 254 626

manoloincal@nuevaincal.com

nueva
incalCOLD FINISHED
FLAT BARS

CERTIFICADO DE CALIDAD

Destinatario :

Material :

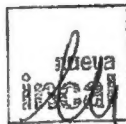
1018 COLD ROLLED

CERTIFICAMOS : Que el material suministrado con cargo a los pedidos de referencia y amparado por nuestro albaran N° EX/4.752 y Fra. N° FV17/263 corresponden a los análisis y fusiones siguientes de acuerdo con la norma EN 10204 / 2.2:

S/.Pedidos N°	Composición Química de la colada								Caract. mecánicas laminado		
	MATERIAL	CALIDAD	COLADA	C. %	Mn. %	Si. %	S. %	P. %	Re N/mm2	Rm N/mm2	A %
MON-55565	8 X 1/2		170719	0,18	0,73	0,21	0,004	0,022	545,00	572,00	13,00
MON-55565	8 X 1/2		171110	0,16	0,76	0,19	0,006	0,020	561,00	588,00	13,00
MON-55963	2-1/2 X 2		170852	0,18	0,71	0,17	0,003	0,016	543,00	570,00	15,00
MON-55963	4 X 1-3/4		153619	0,20	0,77	0,13	0,011	0,017	552,00	579,00	15,00
MON-55966	1-1/4 X 1/4		53944	0,17	0,74	0,15	0,035	0,017	377,00	534,00	37,10
MON-55966	3 X 1/4		54398	0,16	0,71	0,16	0,029	0,011	342,00	487,00	35,00
MON-55966	4 X 2		171342	0,15	0,84	0,14	0,007	0,020	571,00	597,00	15,00
MON-55966	4 X 2		171344	0,15	0,77	0,16	0,005	0,016	548,00	574,00	15,00
MON-56180	3/4 X 3/4		588833	0,17	0,73	0,16	0,028	0,015	328,00	506,00	30,30
MON-56180	1-1/4 X 3/16		53943	0,15	0,76	0,15	0,034	0,018	348,00	477,00	31,40
MON-56180	1-1/2 X 5/16		47386	0,15	0,70	0,17	0,026	0,010	331,00	503,00	27,03
MON-56180	1-1/2 X 3/4		170502	0,18	0,80	0,20	0,001	0,015	315,24	448,15	23,54
MON-56180	1-1/2 X 1		170473	0,17	0,74	0,14	0,006	0,012	306,81	447,49	26,21
MON-56180	2 X 1/2		171444	0,17	0,79	0,19	0,007	0,016	313,22	462,60	24,10
MON-56180	2 X 1		171459	0,15	0,76	0,21	0,008	0,022	327,15	451,11	24,38
MON-56180	3 X 3/4		170627	0,16	0,75	0,15	0,006	0,011	325,70	449,90	27,81

Gernika (SPAIN), 21 de Julio de 2.017

Responsable de Calidad

COLD FINISHED
FLAT BARSCOLD FINISHED
FLAT BARS



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO039300**

Supplier: ACI001-VC
Acier Ouellette Inc.
935 Boul. Du Havre
Valleyfield
QC
J6S 5L1 Canada
Phone: 800 667 4248
Fax: 450 377 5696

PO No: PO039300

PO Date: 3/13/18

Due Date: 3/19/18

Purchase Order
Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
MAR 14 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments: QUOTE NO. SOU0091255, SOU0089404,
SOU0090963, SOU0089881, SOU0089730

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M6061T6B0.500X04.500		6061T6 Bar 0.500 X 4.500 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	3/19/18	12 ft	0 ft	12 ft	\$9.58333/ft	\$115.00
2	M2024T3S0.160		2024-T3 .160 Sheet : MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209 receive sf	Firmed	3/19/18	48 sf	0 sf	48 sf	\$26.190833/sf	\$1,257.16
3	M6061T6S4.500X12.000		6061T6 sheet 4.500 X 12.000 (Cut to 20.000") : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	3/19/18	1.67 ft	0 ft	2 ft	\$331.76047/ft	\$554.04

Line Item Note 1 PCS CUT AT 20" LONG

Plex 3/14/18 7:28 AM dart.lavoie.chantal

4/2018

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	MT-4140-B-1.250X6.000		AISI 4140 Steel Bar : Material: AISI 4140 STEEL BAR AS PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MIN. ROCKWELL C = 28 RC MAX. ROCKWELL C = 32 RC	Firmed	3/28/18	10 ft	0 ft	10 ft	\$68.905/ft	\$689.05
5	MT-1144-R2.000		1144 Steel Proof Round Bar 2.000" AISI 1144 STRESSPROOF STEEL ROUND BAR ASTM A311 OR UNS G11440	Firmed	3/19/18	20 ft	0 ft	20 ft	\$15.5875/ft	\$311.75
6	MT-A513-T-1.125W0.188		A513 Seamless Alloy Steel Round Tubing 1.25"dia. x 0.188" Wall	Firmed	3/19/18	20 ft	0 ft	20 ft	\$7.25/ft	\$145.00
7	M6061T6TS1.000W.120		6061T6 Sq Tube 1.00 X 1.00 X .120W : MATERIAL: 6061-T6 OR 6061- T651/T6510/T6511/T62 SQUARE TUBING AS PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR PER AMS-QQ-A-200/8 OR AMS 4160 receive ft	Firmed	3/19/18	40 ft	0 ft	40 ft	\$1.69025/ft	\$67.61
8	M6061T6TS1.250W.120		6061T6 Sq Tube 1.250 X 1.250 X .120W : MATERIAL: 6061-T6 OR 6061- T651/T6510/T6511/T62 SQUARE TUBING AS PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR PER AMS-QQ-A-200/8 OR AMS 4160 receive ft	Firmed	3/19/18	40 ft	0 ft	40 ft	\$3.7225/ft	\$148.90
9	MT-4140-S-1.000X10.000		AISI 4140 Steel Sheet/Plate AISI 4140/4142 STEEL SHEET OR PLATE AS PER ASTM A829/ AMS 6395	Firmed	3/28/18	6 ft	0 ft	6 ft	\$94.95333/ft	\$569.72

MAR 16 2018

DAS
11
9-89

MAR 16 2018

DAS
11
9-89

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
10	M6061T6B1.000X3.000		6061T6 Bar 1.000 X 3.000 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	3/19/18	12 ft	0 ft	12 ft	\$11.499166/ft	\$137.99
							12		MAR 16 2018	DAS 11 9-89
11	Mt-4140-S-1.500X3.000		4140 Steel Bar 1.500 X 3.000 : AISI 4140N STEEL SHEET OR PLATE AS PER ASTM A829 OR AMS 6395 MIN: ROCKWELL C = 28 RC MAX: ROCKWELL C = 32 RC receive ft	Firmed	3/28/18	6 ft	0 ft	6 ft	\$87.50/ft	\$525.00
12	M1018B2.000X02.500		1010-1025 Steel Bar 2.000 X 2.500 : MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft	Firmed	3/19/18	12 ft	0 ft	12 ft	\$26.681666/ft	\$320.18
							13		MAR 19 2018	DAS 11 9-89
13	MT-4140-R0.500		4140 Steel Round Bar 0.500" : AISI 4140 ROUND BAR AS PER ASTM A29/AMS 6349/AMS 6382/AMS 6529 MIN: ROCKWELL C = 20 RC MAX: ROCKWELL C = 38 RC receive ft	Firmed	3/19/18	20 ft	0 ft	20 ft	\$2.4045/ft	\$48.09
							24		MAR 19 2018	DAS 11 9-89
Grand Total: \$4,889.49										

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.



Plex 3/14/18 7:28 AM dart.lavoie.chantal

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-R0.500
 DATE: MAR 19 2018

PO / BATCH NO: 039300/5052587

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500
 THICKNESS RECEIVED: 0.500
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	<i>Astm A29</i>
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	<i>Heat # 190686</i>
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9-8 MAR 19 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 ROUND BAR
MINIMUM ROCKWELL C = 20 Rc
MAXIMUM ROCKWELL C = 38 Rc

SPECIFICATION: ASTM A29, AMS 6349, AMS 6382, AMS 6529

PART NUMBER: MT-4140-R-[D.DDD]
WHERE "D.DDD" = DIAMETER IN INCHES
EX. 4" ROUND BAR = MT-4140-R-4.000

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	17-790	17-12-13	VM	ML

DART AEROSPACE		Newbury, Ontario, Canada	
TITLE AISI 4140 ROUND BAR			
PART NO.	MT-4140-R	REV	A
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DIMENSIONS APPLY AFTER FINISHING			
DESIGNED BY:	VM 17/12/13	TOLERANCES:	FRACTIONS 1/16
DRAWN BY:	VM 12/13/2017	DECIMALS	3 UP
CHECKED BY:	ML 12/19/2017	SURFACE	5 UP
MFG REVIEW BY:	DP 12/20/2017	ROUGHNESS	
APPROVED BY:	ML 12/20/2017	SCALE: NTS	SHEET 1 OF 1
NOTES: 1. THIS DRAWING IS THE PROPERTY OF DART AEROSPACE. IT IS TO BE USED FOR THE MANUFACTURE OF THE PART ONLY. IT IS NOT TO BE REPRODUCED OR USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE.			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1018B2.000x02.500

PO / BATCH NO: 089300/5052586

DATE: MAR 19 2018

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 13'
 QUANTITY INSPECTED: 13'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.000
 THICKNESS RECEIVED: 2.000
 SHEET SIZE ORDERED: 11/11
 SHEET SIZE RECEIVED: 11/11

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(X) N	use for dark toolin only PD 13-4-12
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	170832
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS 11</u>	SIGNED OFF BY: _____		
DATE: <u>9-89 MAR 19 2018</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



DESIGN 	DRAWN BY 	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED CP	APPROVED 	DRAWING NO. M1010-B	REV. A SHEET 1 OF 1
DATE 01.12.06		TITLE AISI 1010-1025 BAR	SCALE NTS
A	01.12.06	NEW ISSUE	

PURCHASE MATERIAL: AISI 1010-1025 OR ASTM A36 / A366 / A569 / A570
OR CSA G40-21, 38W/44W/50W/60W/70W

PART NUMBER: M1010-B | T.TTT | x | WW.WWW | WHERE T.TTT = THICKNESS (IN INCHES)
THICK WIDTH WW.WWW = WIDTH (IN INCHES)
EG. 0.75" x 2.50" BAR = M1010-B0.750 x 02.500

RELEASED
01.12.07

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